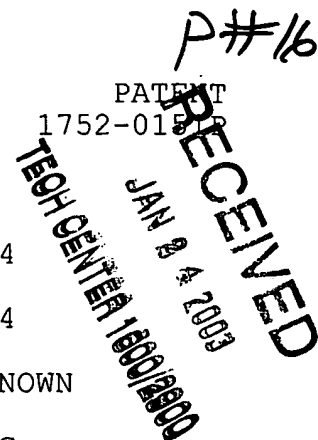




IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: Akio INOUE et al. Conf.: 8894  
[Appl. No.: 09/983,067 Group: 1614  
Filed: October 23, 2001 Examiner: UNKNOWN  
For: PROCESS FOR PRODUCING PEPTIDES BY USING  
IN VITRO TRANSCRIPTION/TRANSLATION  
SYSTEM



INFORMATION DISCLOSURE STATEMENT  
(SUBMISSION AFTER FILING OF AN APPLICATION  
BUT BEFORE FINAL REJECTION OR NOTICE OF ALLOWANCE  
OR CONCURRENTLY WITH A RULE 53(d) CPA APPLICATION  
OR WITH A RULE 1.114 RCE APPLICATION)

Assistant Commissioner for Patents  
Washington, DC 20231

January 23, 2003

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications, or other information submitted for consideration by the Office are listed on the PTO-1449(s), attached hereto.

II. COPIES (check at least one box)

- a. ☒ Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.
- b. ☐ Some or all of the documents listed on the PTO-1449 are not enclosed because they were cited in the International Search Report and copies should already be in the PTO file. If copies are needed, please contact the undersigned.

III. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

a. ☒ **DOCUMENTS IN THE ENGLISH LANGUAGE**

The attached patents, publications, or other information in the English language do not require a statement of relevancy.

b. ☐ **DOCUMENTS NOT IN THE ENGLISH LANGUAGE**

A concise explanation of the relevance of all patents, publications, or other information listed that is not in the English language is as follows:

c. ☐ **ENGLISH LANGUAGE SEARCH REPORT**

An English language version of the search report or action that indicates the degree of relevance found by the foreign office is attached, thereby satisfying the requirement for a concise explanation. See MPEP 609(A)(3).

d. ☒ **OTHER**

The following additional information is provided for the Examiner's consideration.

A listing of the references is attached herewith.

FEES

IV. ☒ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b):  
(check one box)

- a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b)(1)). No fee or statement is required. (This section is not to be used with RCE's and CPA's).
- b. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or statement is required.
- c. ☐ concurrently with the filing of a Continued Prosecution Application under 37 C.F.R. § 1.53(d) or concurrently with the filing of a Request for Continued Examination under § 1.114 (37 C.F.R. § 1.97(b)(4)). No fee or statement is required.
- d. ☒ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or statement is required.  
In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the statement under 37 C.F.R. § 1.97(e) below, or, if no statement has been made, charge our deposit account in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

V. ☐ THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):  
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c)(2)).

- a. ☐ No statement; therefore, a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
- or
- b. ☐ See the statement below. No fee is required.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby states that

- a. ☐ each item of information contained in the IDS was first cited in any communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the IDS.
- c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned states that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby states that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application and, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

VII. PAYMENT OF FEES (check one box)


- ☐ A check in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p) is enclosed for the above-identified fee.
- ☐ Please charge Deposit Account No. 02-2448 in the amount required by 37 C.F.R. § 1.17(p) for the above-indicated fee. A triplicate copy of this paper is attached.
- ☒ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule and charge the appropriate fee to Deposit Account No. 02-2448.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By   
Gerald M. Murphy, Jr., #28,977

P.O. Box 747  
Falls Church, VA 22040-0747  
(703) 205-8000

*jmb*  
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1752-0151P

Enclosures: ☒ PTO-1449  
☒ Documents  
☐ Foreign Search Report  
☐ Fee  
☐ Other:



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**INFORMATION DISCLOSURE CITATION  
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1614**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS**

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.

	Hongfang QIU et al., <i>The EMBO Journal</i> , Vol. 20, No. 6, (2001), pp.1425-1438.
	John AUGUSTINE et al., <i>Biochemistry</i> , Vol. 36, (1997), pp.3473-3482.
	Christopher FRANCKLYN et al., <i>Journal Molecular Biology</i> , Vol. 280, (1998), pp.847-858.
	Wen YAN et al., <i>Biochemistry</i> , Vol. 35, (1996), pp.6559-6568.
	Michael L. BOVEE et al., <i>Biochemistry</i> , Vol. 38, (1999), pp.13725-13735.
	Susan A. HAWKO et al., <i>Biochemistry</i> , Vol. 40, (2001), pp.1930-1936.
	Nemo M. PEETERS et al., <i>Journal of Molecular Evolution</i> , Vol. 50, (2000), pp.413-423.
	Melanie BEAULANDE et al., <i>Nucleic Acids Research</i> , Vol. 26, No.2, (1998), pp.521-524.
	Anne K. KOWAL et al., <i>PNAS</i> , Vol. 98, No. 5, (February 27, 2001), pp.2268-2273.
	Constantinos STATHOPOULOS et al., <i>PNAS</i> , Vol. 98, No. 25, (December 4, 2001), pp.14292-14297.
	Shipra BUNJUN et al., <i>PNAS</i> , Vol. 97, No. 24, (November 21, 2000), pp.12997-13002.
	Daisuke KIGA et al., <i>European Journal of Biochemistry</i> , Vol. 268, (2001), pp.6207-6213.

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	Hans-Ulrich THOMANN et al., <i>Biotechnology</i> , Vol. 14, (January 1996), pp.50-55.
	Ho-Jin PARK et al., <i>Molecular and Cellular Biology</i> , Vol. 18, No. 8, (August 1998), pp.4418-4425.
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	Gregg B. WELLS et al., <i>The Journal of Biological Chemistry</i> , Vol. 276, No. 5, (February 2, 2001), pp.3031-3036.
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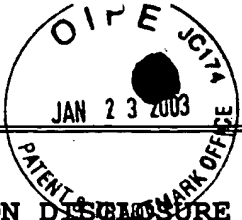
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	Brian BURKE et al., <i>The Journal of Biological Chemistry</i> , Vol. 276, No. 23, (June 8, 2001), pp.20286-20291.
	Qiang SHAN et al., <i>The Journal of Biological Chemistry</i> , Vol. 276, No. 16, (April 20, 2001), pp.12556-12564.
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	Lesley A. STARK et al., <i>Journal of Virology</i> , Vol. 72, No. 4, (April 1998), pp.3037-3044.
	Yannick GROSSKREUTZ et al., <i>Biol. Chem.</i> , Vol. 382, (October 2001), pp.1455-1462.

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	Nathalie GRIFFON et al., <i>The EMBO Journal</i> , Vol. 18, No. 17, (1999), pp.4711-4721.
	Shan CEN et al., <i>Journal of Virology</i> , Vol. 75, No. 11, (June 2001), pp.5043-5048.
	Pierre FECHTER et al., <i>Journal of Molecular Biology</i> , Vol. 309, (2001), pp.387-399.
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	Fumie HAMANO-TAKAKU et al., <i>The Journal of Biological Chemistry</i> , Vol. 275, No. 51, (December 22, 2000), pp.40324-40328.
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	J.C. SALAZAR et al., <i>FEBS Letters</i> , Vol. 491, (2001), pp.257-260.
	Feng XU, et al., <i>Nucleic Acids Research</i> , Vol. 29, No. 20, (2001), pp.4125-4133.
	Sunghoon KIM et al., <i>FEBS Letters</i> , Vol. 427, (1998), pp.259-262.
	Nobukazu SHIMADA et al., <i>The Journal of Biological Chemistry</i> , Vol. 276, No. 50, (December 14, 2001), pp.46770-46778.

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George SIMOS et al., *The EMBO Journal*, Vol. 15, No. 19, (1996), pp.5437-5448.Sang Won LEE et al., *Gene*, Vol. 215, (1998), pp.311-318.B. MENAND et al., *Proc. Natl. Acad. Sci.*, Vol. 95, (September 1998), pp.11014-11019.James WILLIAMS et al., *Nucleic Acids Research*, Vol. 23, No. 8, (1995), pp.1307-1310.Valerie LAMOUR et al., *Proc. Natl. Acad. Sci.*, Vol. 91, (August 1994), pp.8670-8674.**RECEIVED**  
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